User's Manual of
USB 2.0 All-in-1 Card Reader

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PRODUCT PACKAGE:

The package of USB 2.0 All-in-1 flash memory card reader comes with
(1) one unit of all-in-1 card reader with USB cable of type A and mini B connector or internal weaver
(2) one driver CD-ROM

PRODUCT INTRODUCTION:

This product is a USB 2.0 all-in-1 card reader which has four sockets to access all the flash memory cards of various mechanical dimensions and electrical specifications available now.

It can access the following flash memory cards:

(1) CF socket for CF Type (I,II), Extreme CF, Extreme III CF, Ultra II CF, HS CF, XS-XS CF, CF Elite Pro, CF Pro, CF Pro II, IBM MD, Hitachi MD, Magicstor MD,

(2) SM socket for SM, SM ROM

(3) 4-in-1 SD socket for SD, Mini SD, HS Mini SD, Extreme SD, Extreme III SD, Ultra II SD, SD Ultra X, Ultra speed SD, SD Pro, SD Elite Pro, HS SD, MMC, HS MMC, **HS RS MMC, RS MMC, RS MMC 4.0, DV-RS MMC, T-Flash** (Need adapter)

(4) 4-in-1 MS socket for MS, MS Pro, MS Duo, MS Pro Duo, MS MG, MS MG Pro, MS MG Duo, MS MG Pro Duo, Extreme MS Pro, Extreme III MS Pro, Ultra II MS Pro, HS MS MG Pro, HS MS MG Pro Duo, HS MS Pro, HS MS Pro Duo, MS Rom, MS Select

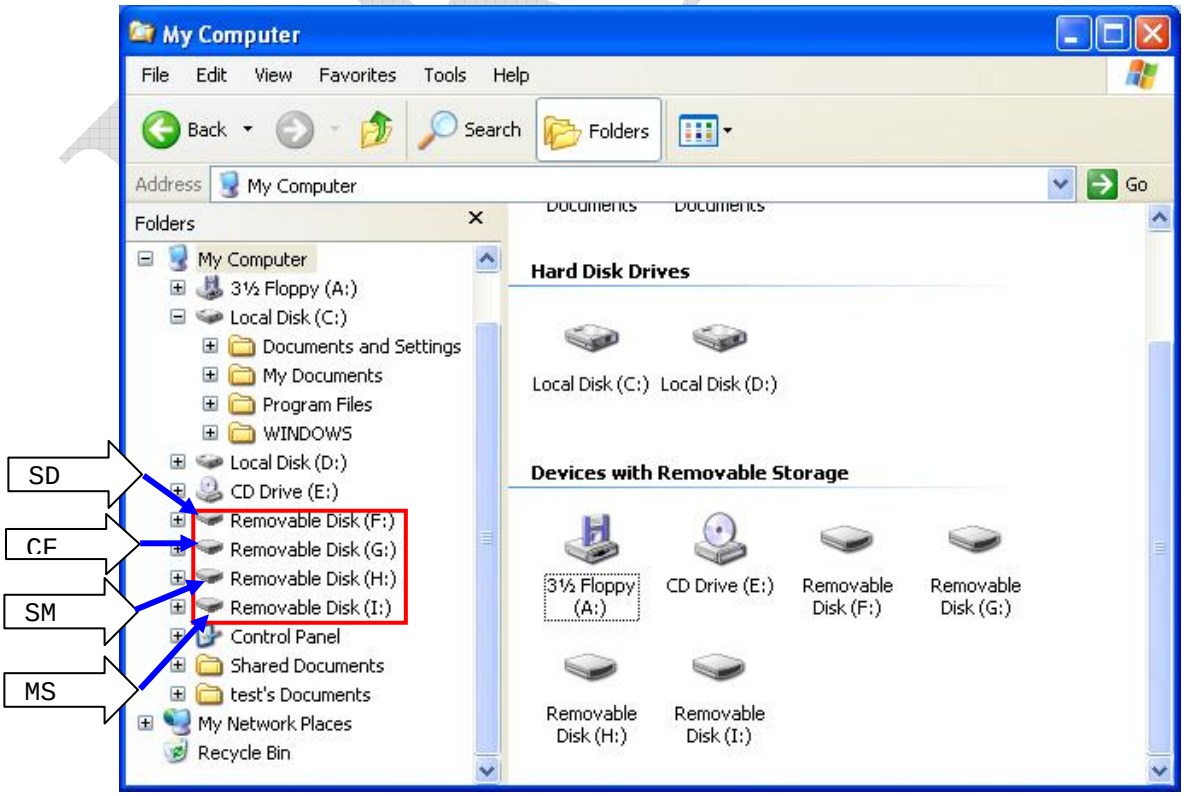
The versatile flexibility of its proprietary sockets makes this all-in-1 card reader the truly universal card reader now.

APPLICABLE PLATFORMS:

Windows® XP/2000/Me/98SE and Mac OS® 9.x/ X are supported.

For Windows® XP/2000/Me, drivers are all provided by the operating systems, no vendor-supplied driver needed. The card reader will be recognized by OS automatically once the all-in-1 card reader is connected.

Once connecting the all-in-1 card reader to a PC, there will be four “Removable Disk” icons shown on the explorer window. The disk drive letters (F: ~ I:) in the figure shown below are determined by the PC’s configuration which may varies. But the sequence of removable disk drive is fixed as (1) SD family (SD/MMC/miniSD/RS-MMC) (2) CF/MD (3) SM (4) MS Family (MS/MS Pro/MS Duo/MS Pro Duo).



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For Windows® 98SE, vendor supplied drivers must be installed first before the device can be recognized.

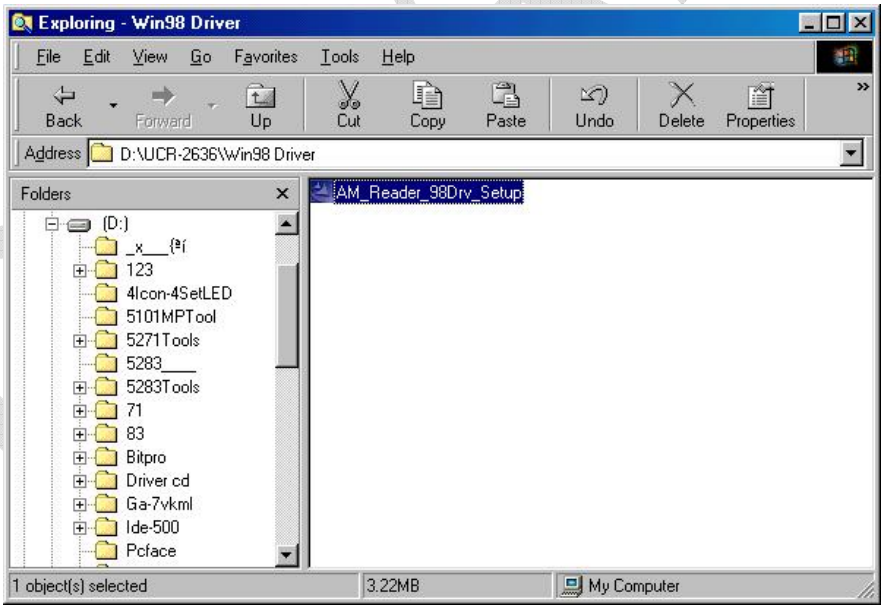
DRIVER INSTALLATION for Windows® 98SE:

The driver installation is a must for Windows® 98SE. When the all-in-1 card reader is connected to a PC of Windows® 98SE with no driver installed, the “Add New Hardware Wizard” message window will pop up as the figure shown below:

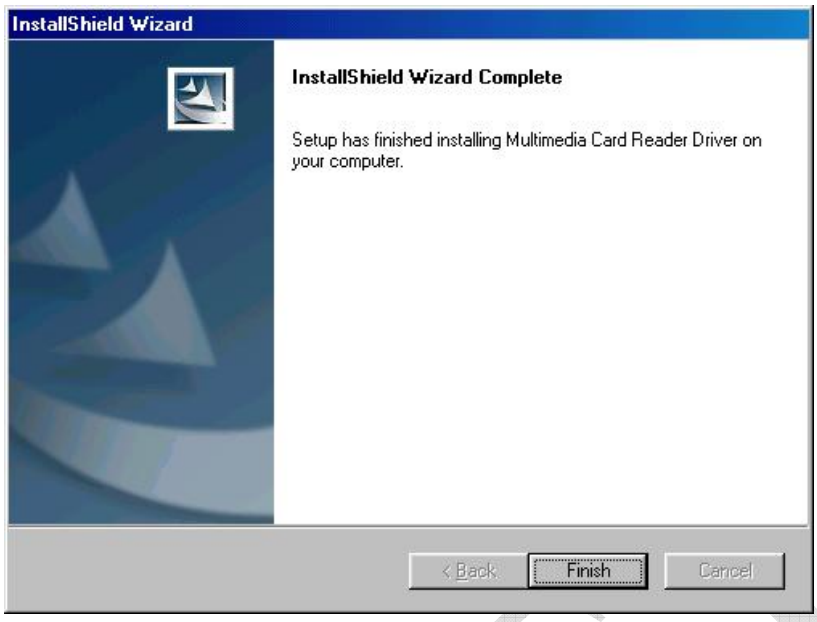
Add New Hardware Wizard
This wizard searches for new drivers for:
Mass Storage Device
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel

Click the “Cancel” button to close the window.

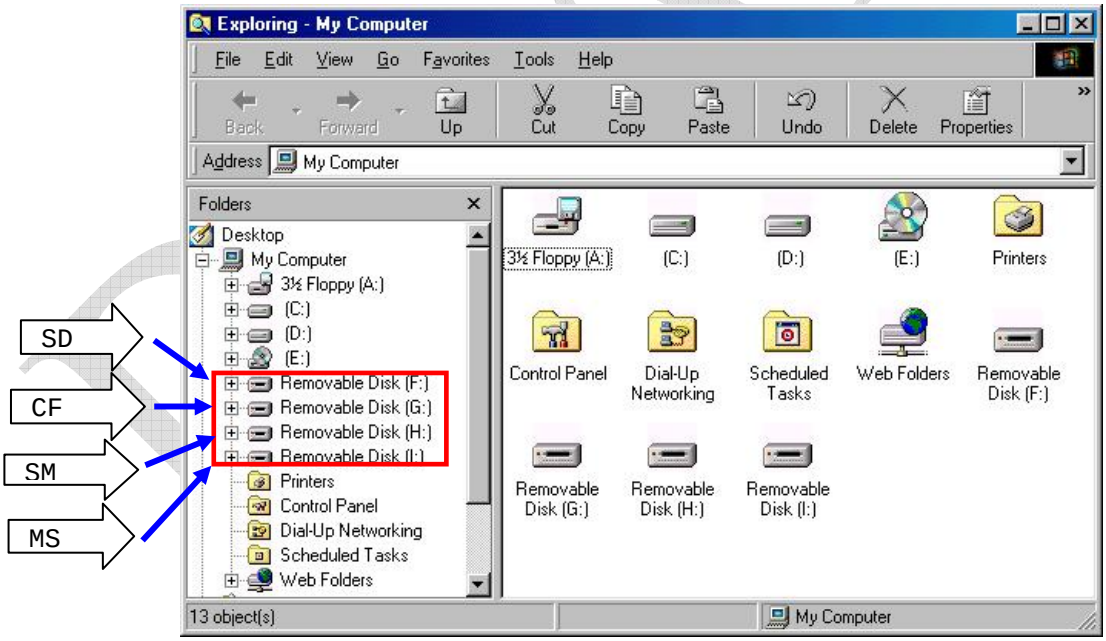
Put the driver CD-ROM into the optical drive of the PC, at the root directory, double click the “AM_Reader_98Drv_Setup” icon to install the driver.



After the driver installed, reboot is required.



Now the all-in-1 card reader is ready to use and the icons for the four removable disks will be like:



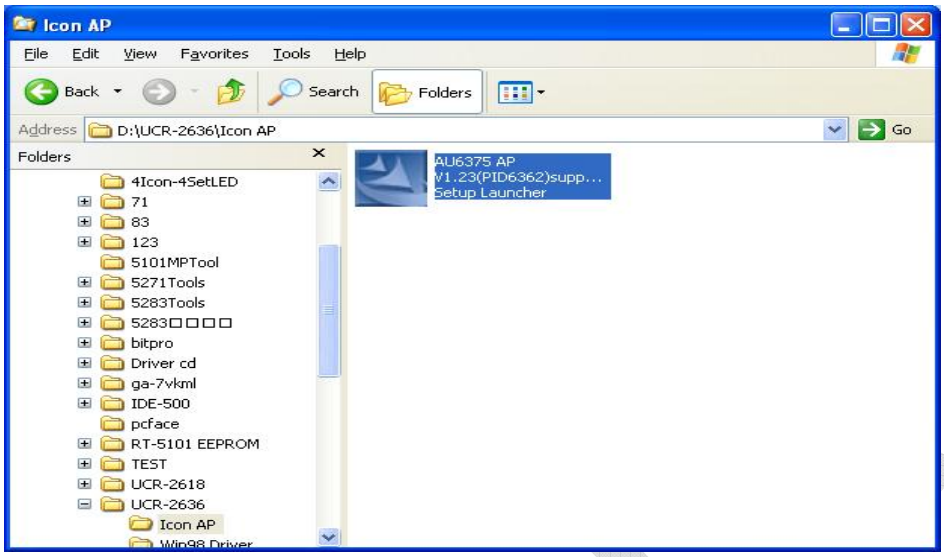
Types of the cards are prompted for the user's convenience.

Note if the "AU6375 AP V1.23(PID6362)support Multi_language" of the driver CD-ROM is run under Windows® XP/2000/Me/98se, the disk icon utility will be installed to All OS have the same icon identification.

Under Windows® XP/2000/Me/98se, it is recommended to perform the installation AP as an update, to take the advantage of the visual icon identification of the card sockets.

However, it is not a must for these four OS.

Put the driver CD-ROM into the optical drive of the PC, at the root directory, double click the “AU6375 AP V1.23(PID6362)support Multi_language” icon to install the driver.

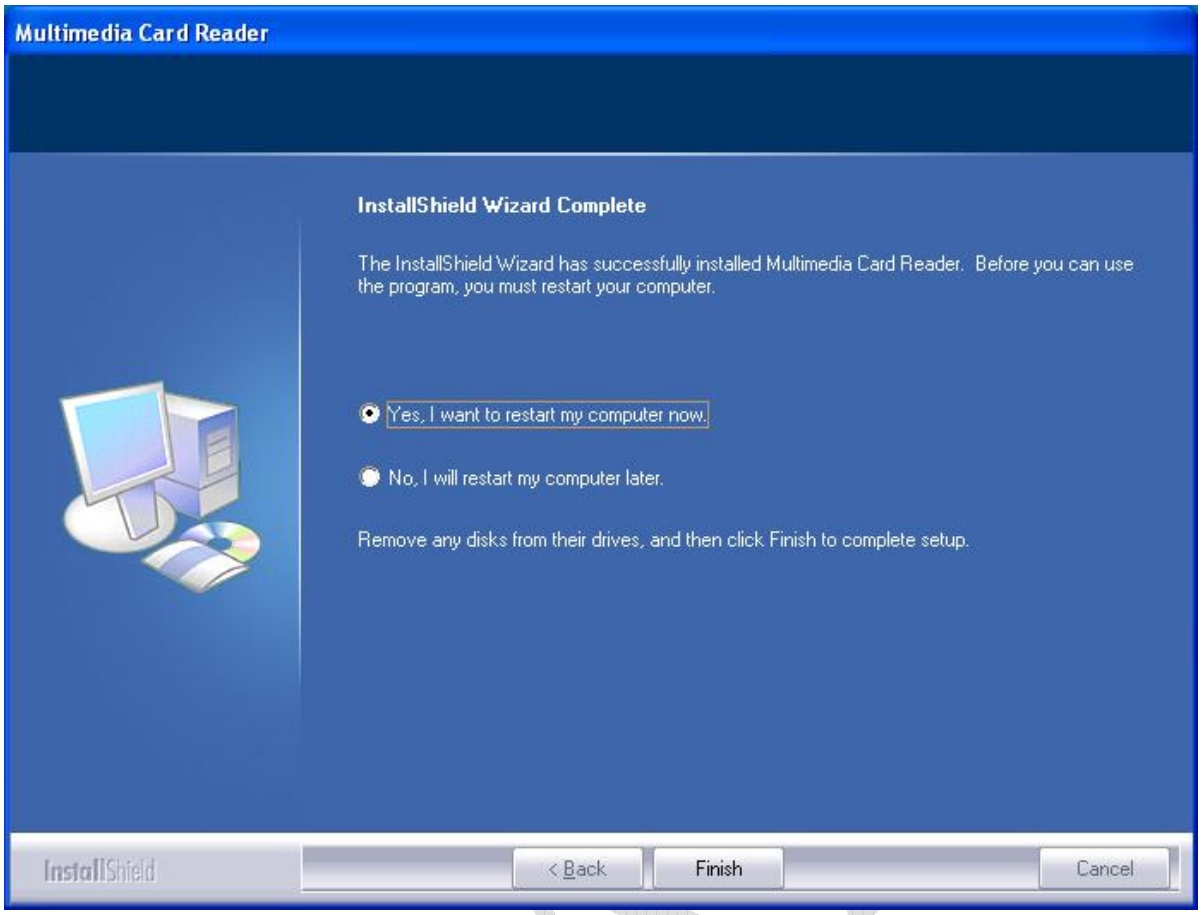


Follow step!

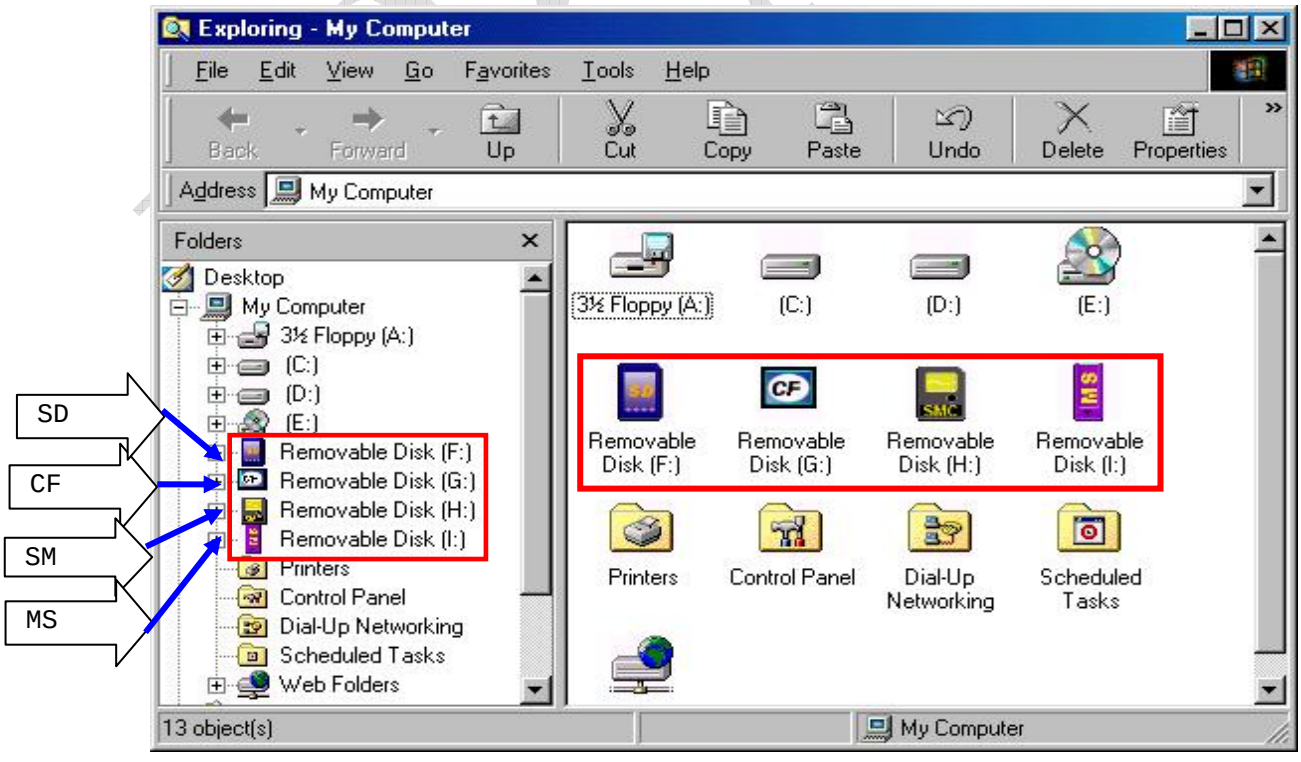
InstallShield Wizard
Multimedia Card Reader Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Configuring Windows Installer
Cancel

Plug in the all-in-1 card reader Now!

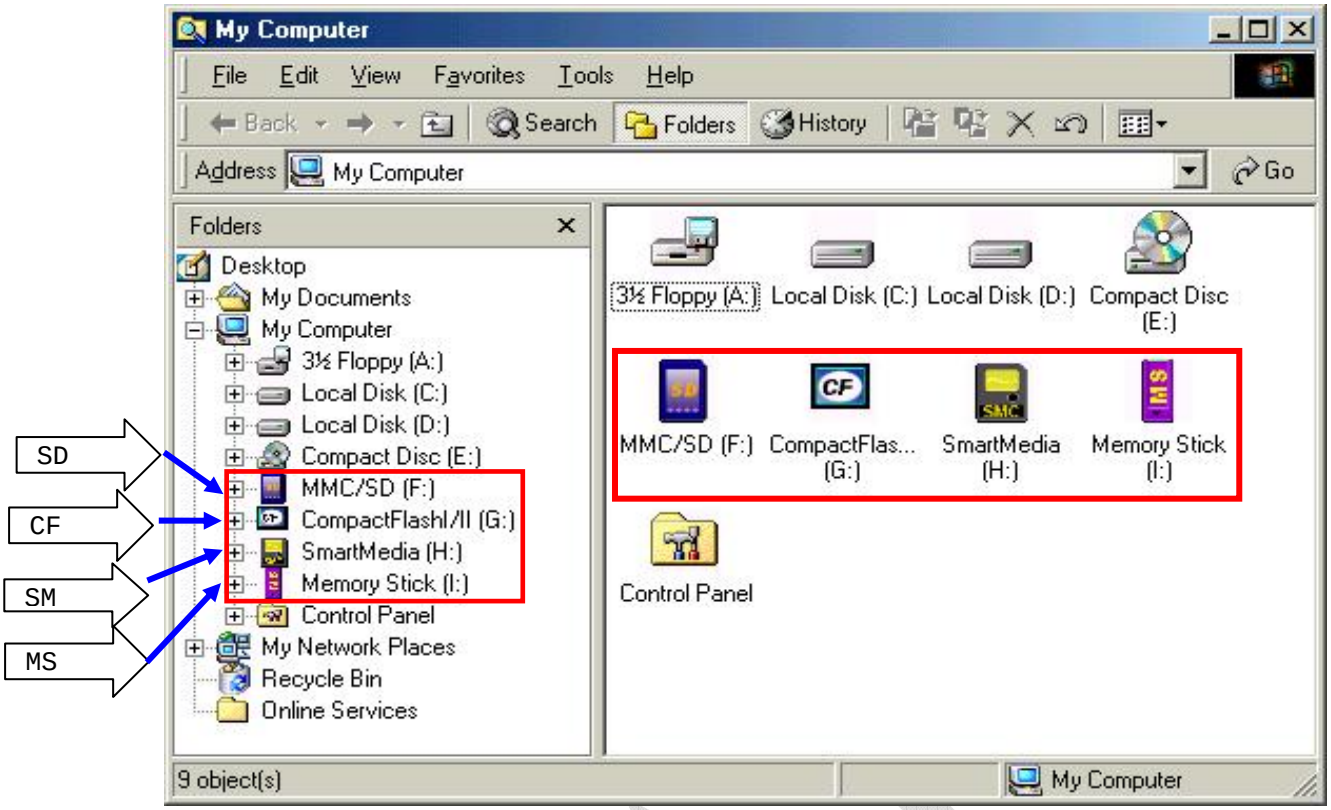
After the AP installed, reboot is required.


Multimedia Card Reader
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed Multimedia Card Reader. Before you can use the program, you must restart your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
InstallShield
< Back
Finish
Cancel

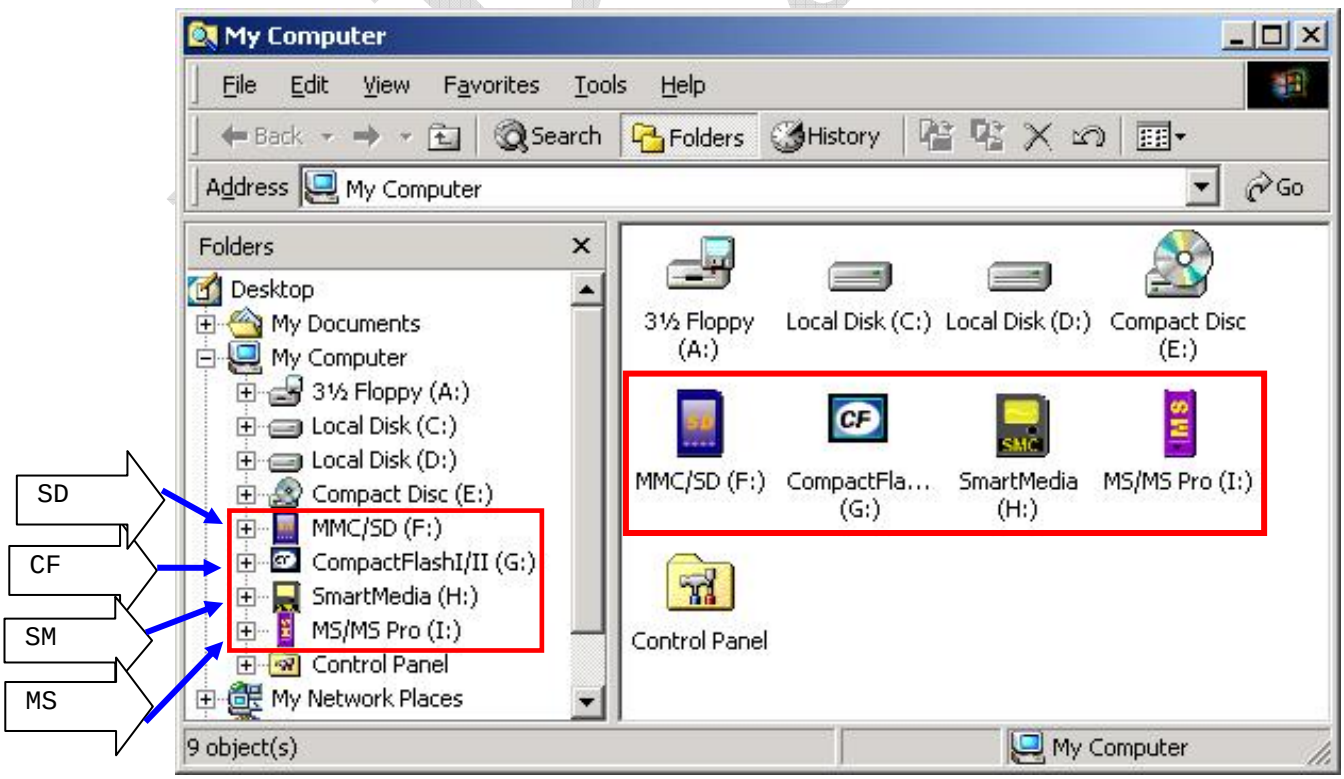
The disk icons of the all-in-1 card reader (@ Windows® 98se) after the installation



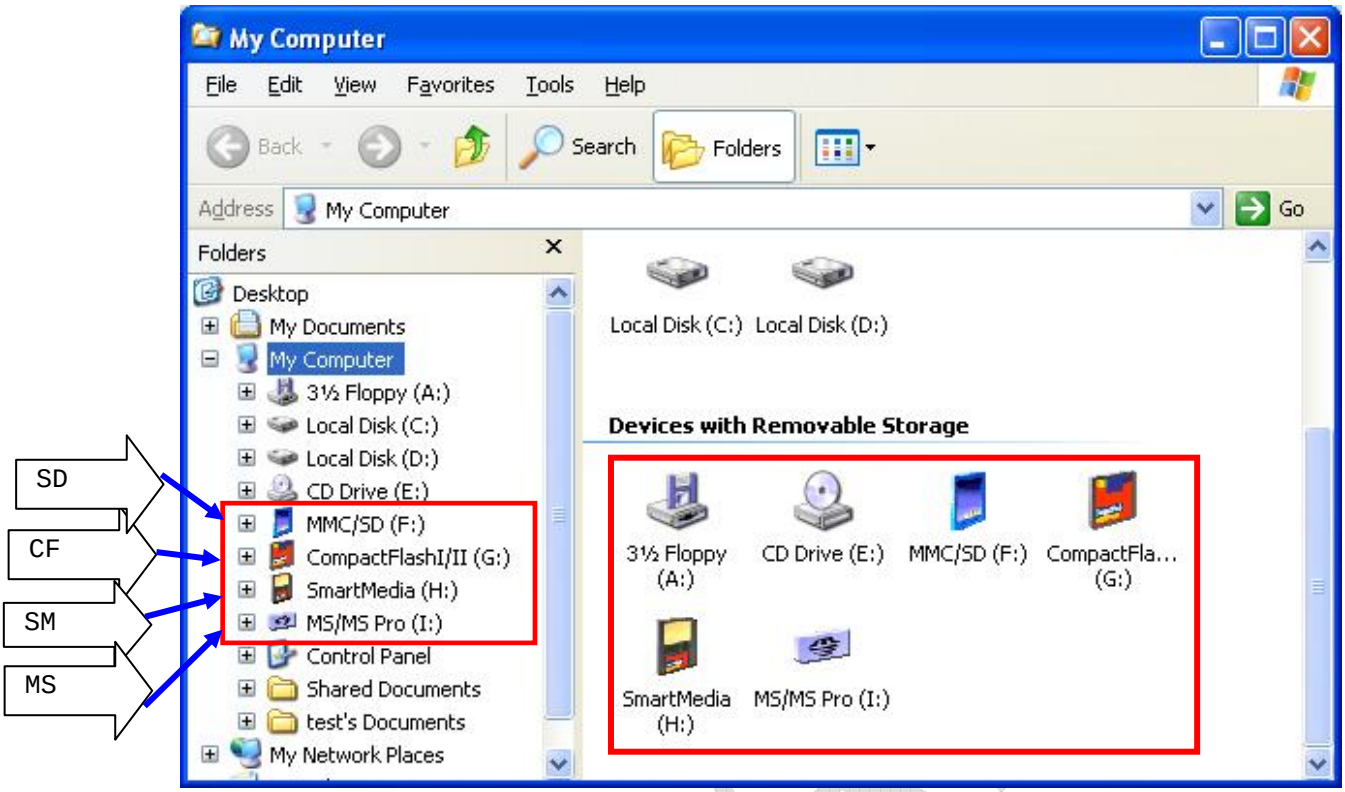
The disk icons of the all-in-1 card reader (@ Windows® Me) after the installation



The disk icons of the all-in-1 card reader (@ Windows® 2000) after the installation



The disk icons of the all-in-1 card reader (@ Windows® XP) after the installation



POWER CONSUMPTION CONSIDERATIONS:

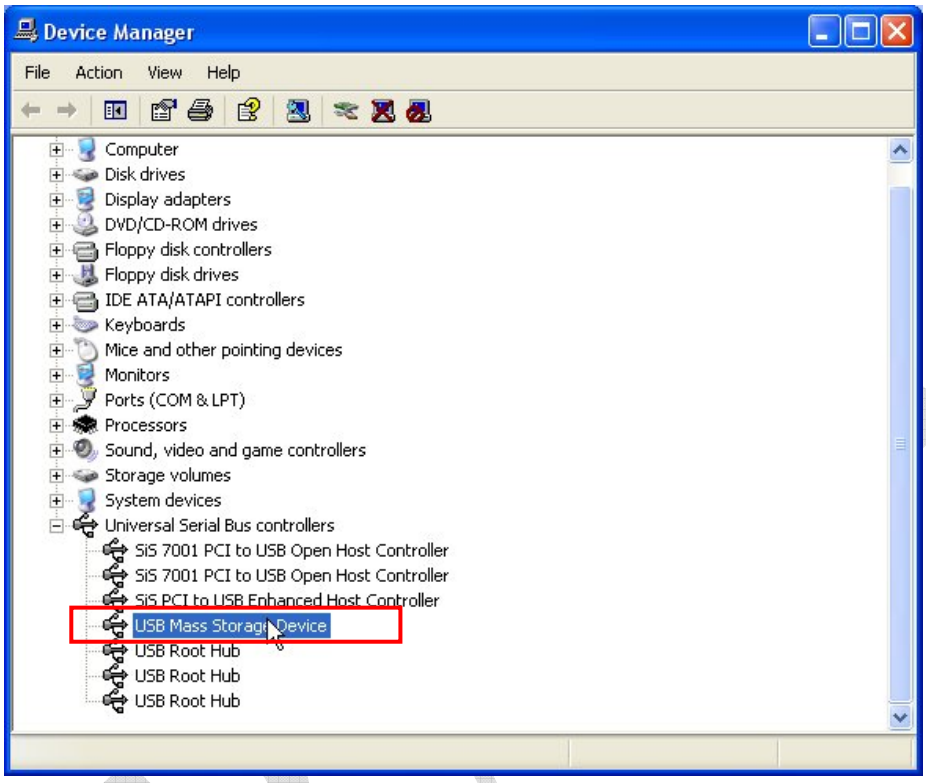
The all-in-1 card reader is a USB device designed to work under bus-power mode, i.e., the power is drawn from USB port and no power adapter is required.

Though totally 500mA can be drawn from the USB host to supply the all-in-1 card reader, during the initial enumeration stage, only 100mA from the host is available. To expedite and ensure the correct USB enumeration process between PC and the all-in-1 card reader, it is recommended that the card reader is connected to a PC without all four sockets full with cards.

TROUBLE SHOOTING:

1. Besides showing 4 removable disk icons in the explorer's window, when correctly connected, the all-in-1 card reader should generate a "USB Mass Storage Device" icon in the Hardware Device Manager of the OS.
   If there is no "Removable Disk" icon shown in the explorer's window and the "USB Mass

Storage Device” icon in Hardware Device Manager is shown with a “?” mark, it means the driver is not installed or not ready.
If the reader is full of cards in its four sockets while connecting to PC, remove the cards and try again. Or, follow the aforementioned procedure to install the driver and icon utility.



2. If there is no “Removable Disk” icon in the explorer’s window and the “USB Mass Storage Device” icon in Hardware Device Manager is shown with a “!” mark (or just “Unknown Device”), it means the reader is not recognized by the PC and maybe out of order. Disconnect the reader from the PC and connect it to PC again (reboot the PC and try again), if the phenomenon persists, the card reader is out of order.

3. If there is no icon showing up or any response from the PC once the card reader is connected, the USB host of the PC may be out of order. Reboot the PC and try again, if the phenomenon persists, the USB host of the motherboard needs repair.

4. Also, if possible, always use “Safely Remove Hardware” (icon on the lower right corner of Window’s task bar, the system tray area) option to stop the USB device first before detach it from a PC. This will protect both the USB device and the PC.